UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 45-R-0001 CUSTOMER NUMBER: 1557

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

University Of North Dakota Center For Biomedical Research Box 9001 Grand Forks, ND 58202

Telephone: (701) -777-4493

3. REPORTING FACILITY (List all locations where enimals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional steets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)									
A. Animals Covered By The Animal Welfare Regulations	В.	Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surpery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate smesthetic, analyseic, or tranquilizing drugs were used.	E.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely effected the procedures, resion interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs									
5. Cats	-								
c. Guinea Pigs									
7. Hamsters									
8. Rabbits									
9. Non-human Primates				· · · · · · · · · · · · · · · · · · ·					
10. Sheep									
11. Pigs									
12. Other Farm Animals									
13. Other Animals									
* THE FACI	LIT	Y HAS HOU	ED	ONLY THE	FOI	LOWING ANIMALS	: 1	MICE, RATS, & CHICKENS	

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual researching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications. In stitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)							
100	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 9-23-02 Vice president for Health Affairs	DATE SIGNED					

APHIS FORM 7023

(Reptaces VS FORM 18-23 (OCT 88), which is obsolete.)

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CHRTISIGATE NUMBER: 45-R-0001 CUSTOMER NUMBER: 1557

FORM APPROVED QMB NO. 0579-0034

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University Of North Dakots Center For Biomedical Research Box 9001

Grand Forks, ND 58202

Telephone: (701)-777-4493

3. REPORTING PACILITY (List all locations where entirets were insued ar used in exist) research, testing, or experimentation, or held for these purposes. Allows additional shoets if nome

FACILITY LOCATIONS (Stars) - See Alected Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sharts if necessary or one APHIS Form 7023A)							
A. Animals Covered By The Animal Welfare Regulations	B. humber of animal being bred, conditioned, or held for use in secretary, sealing, experiments, rescribt, or surgary but pot ye used for such purposess.	C. Number of animals upon which teaching, research, experiments, or tools were conducted invoking no sale, claimen, or use or petr-relieving drugs.	C: Number of entents upon which experiences, search, surpey, or tests were conducted involving ecompanying petr or detress to the entents and for which appropriate anualization, antiquity designed, or transmissing drugs were used.	E. Number of animals upon which teaching, esperiments, research, surgery of lasts were conducted involving economycrying poin or distracts to the entereds and for white use of appropriate anesthetic, aneganic, a transplatic, arrays would have advantally effected the procedures, for interpretation of the teaching, necession, experiments, surgery, or tests. (An optimistion of the procedures producing pain or distracts in these estimate and the resex such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANNALS (COLLINENS C+D+E)		
4. Dogs							
5. Cets							
6. Guines Pigs							
7. Harmiers			•				
s. Robbits							
9. Non-human Primades							
10. Sharp							
11. Pigs							
12. Other Farm Animals							
					<u> </u>		
13. Other Animals							
							
* THE FAC	LITY HAS FOI	ED ONLY THE	FOLLOWING ANIMAL	S: MICE.RATS.& CHICKENS	 		
ASSURANCE STATISTICS							

- Professionally acceptable standards governing the care, treatment, and use of entirets, including appropriate use of assenting, analysis, analysis, and tranquilizing drugs, prior to, during, and following accusing teaching, surgery, or experimentation were followed by this research feeling.
- 2) Each principal investigator has considered elemethes to painful procedures.
- 3) This facility is adhering to the standards and required the Act, and it has required that exceptions to the standards and required by the principal investigator and age institution of Action and Use Committee (IACLIC). A summary of all such exceptions is attached to this amount report. In addition to identifying the IACLIC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and national affection.
- unio esterinary care and to grouping the adequacy of other expects of enjoyal core and use.

The ettending velocities for this research tacility has approprieto substitly to around the provision of acceptant velocities for this research tacility has approprieto substitutional or formation of the provision of the p								
	Vice president for Health Affairs	DATE SIGNED						

APHIS FORM TOSS (AUG 91)

(Recisees VS FORM: 19-22 (OCT 20), which is checieta.)

* ID: 1557

501 North Columbia Road Grand Forks, ND 58202 County: Grand Forks Telephone (701)777-4493

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 45-R-0002 CUSTOMER NUMBER: 1565

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

North Dakota State University Po Box 5756 Ndsu Station Fargo, ND 58105

Telephone: (701) -231-8114

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of anima being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not you used for such purposes.	enimals upon which teaching, research, experiments, or tests were conducted	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate enesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate enesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resion interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report	TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	15				
5. Cats	22				-
6. Guinea Pigs	2				
7. Hamsters	2				
8. Rabbits	4				
9. Non-human Primates	0				· · · · · · · · · · · · · · · · · · ·
10. Sheep		648	127		776
11. Pigs		1068			1068
12. Other Farm Animals					
Cattle	564		38		38
13. Other Animals					
Gerbils	3			·	
Hedgehogs	1				
Chinchilla	l				

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resentesching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and requisitions under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicational Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSCITUTIONAL OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
Philip Boudjouk

VP Research Creative Activities &

APHIS FORM (AUG 91)

M 18-23 (OCT 88), which is obsolete.)

Technology Transfer

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 45-R-0002

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

North Dakota State University

PO Box 5756 NDSU Station Fargo ND 58105

Telephone: (701) 231-8114

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use this form.)	
A. Animals Covered By The Animal Welfare Regulations 12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate enesthetic, analgesic, or-tranquilizing drugs would have adversely attected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An experiment of the procedures producing pain or distress in these enimals and the reasons such drugs were not used, must be atteched to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
Horses	2				
11. A. P. C.			A STATE OF THE STA		
					
					
					
•					
					
		<u> </u>			
					
		<u> </u>			
		<u> </u>			
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the listitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES!	RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Re	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Philip Boudjouk

VP Research, Creative Activities &

Technology Transfer

DATE SIGNED

APHIS FORM 7023A (AUG 91)

Customer ID and Site Address:

ID: 1565

1735 NDSU Research Park Drive Fargo, ND 58105-5756

County: Cass

Telephone: (701) 231-8114

University Post Office Address:

PO Box 5756 University Station Fargo, ND 58105

County: Cass

Telephone: (701) 237-9132

Animal Facility Locations:

Robinson Hall - dogs, cats, rabbits, guinea pigs, hamsters, gerbils, chinchilla, hedgehog

Sheep Barn - sheep

Hog Barn - swine

Beef Barn - cattle

Pole Barn and Rodeo Stables - horses

Animal Nutrition & Physiology Center - sheep, cattle, swine

See attached form for additional information.

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 45-R-0004
CUSTOMER NUMBER: 1616

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

St Alexius Medical Center 900 E Broadway Bismarck, ND 58502

Telephone: (701) -224-7000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

Animals Covered By The Animal Welfare Regulations	B.	Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	c.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs,	D.	Number of animals upon which experiments, teaching, research, surjety, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analysising drugs were used.	the use or appropriate anexament, analysis, or transputz drugs would have adversely affected the products, res existence of the backing research, existence in	TOTAL NU OF ANIM (COLUI C + D +
4. Dogs						0		
5. Cats							·	
6. Guinea Pigs								
7. Harnsters				· · · · · · · · · · · · · · · · · · ·				
8. Rabbits								
9. Non-human Primates								•
10. Sheep						, <u>, , , , , , , , , , , , , , , , , , </u>		
11. Pigs		· · · · · · · · · · · · · · · · · · ·						
12. Other Farm Animals						***************************************		
								•
13. Other Animals		***************************************		· · · · · · · · · · · · · · · · · · ·				
		\ <u>\</u>					P	*********
								

ASSURANCE STATEMENTS

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OF INSTITUTIONAL OFFICIAL

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGN

ess VS FORM 18-23 (OCT 88), which is obsolene.)

NAMER TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or PIRE)

Richard A. Technicler C.E.

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SIGNATURE OF CEO